UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/028,381	12/21/2001	Amr Yassin	US 010662	4887

24737   7590   03/27/2008
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ART UNIT	PAPER NUMBER
2152	

MAIL DATE	DELIVERY MODE
03/27/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/028,381	YASSIN ET AL.
Office Action Summary	Examiner	Art Unit	
	DOHM CHANKONG	2152	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on _02 January 2008_.

2a) ☒ This action is **FINAL**.   2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) _1-3,5-15 and 17-20_ is/are pending in the application.

   4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) _1-3, 5-15, and 17-20_ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a) ☐ All   b) ☐ Some * c) ☐ None of:

   1. ☐ Certified copies of the priority documents have been received.

   2. ☐ Certified copies of the priority documents have been received in Application No. _____.

   3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

1>   This action is in response to Applicant's amendment, filed 1.2.2008. Claims 1, 5, 14, and

20 are amended. Claim 4 is canceled and its limitations have been incorporated into

independent claim 1. Claims 1-3, 5-15, and 17-20 are presented for further examination.

2>   This is a final rejection.

Response to Arguments

3>   Applicant has amended independent claims 1, 5, 14, and 20 to now recite, *inter alia*,

specifying specific data of a document wherein the specific data includes a specific portion

and wherein the specific portion is the full document when only a name of the document is

included. Applicant has also canceled claim 4 and incorporated the canceled limitations into

independent claim 1. Applicant's amendments overcome the rejection of claim 5 under

Jamtgaard. As such, this rejection is withdrawn. However, Applicant's amendments do not

overcome the cited prior art references Kimoto in view of Zintel.

      As to the first amendment, Kimoto teaches the limitations as claimed. Specifically,

Kimoto does disclose specifying specific data of a document, the specific data including a

specified portion of the document, wherein the specified portion is the document in full

[Figure 5 : see broadcast contents which specify that "Only Document Body" is transmitted

to the TV. The document body reads on Applicant's claimed "document in full" | column 11

«lines 54-56»]. Kimoto further discloses that these contents are retrieved through the use of a

content ID [column 14 «lines 1-6 and 29-33» : "IDs are used to fetch a document"]. Kimoto's

content ID reads on Applicant's claimed document name. Kimoto therefore teaches

retrieving a document in full in the form of a document body based on the content ID and

sending the entire document to a receiving device. This teaching reads on Applicant's

amended limitation.

Additionally, Zintel teaches the second amended limitation. Applicant argues that the

cited section in the Zintel reference fails to teach saving the device format preference with a

network address of the device. However, contrary to Applicant's argument, Zintel does

disclose the claimed limitation. Specifically, Zintel discloses a description document which

corresponds to the device format reference and a device identifier which corresponds to the

network address of the device [column 3 «lines 5-10» | column 8 «lines 32-37»]. Zintel then

discloses saving in memory the description document that outlines the format preferences for

the device along with the device identifier [column 19 «lines 30-45»].

For the foregoing reasons, Zintel discloses the claimed limitation. Therefore, the

rejection of the limitations of claim 4 (now part of claim 1) are maintained as set forth in the

previous Office actions.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness

rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art
> are such that the subject matter as a whole would have been obvious at the time the invention was made to a
> person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be
> negatived by the manner in which the invention was made.

4>   Claims 1-15 and 17-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Kimoto in view of Zintel et al. (U.S. Patent Number 6,910,068), hereinafter referred to as

Zintel.

5>   Kimoto disclosed a system for using style sheets which define the expression and

form of documents to be transmitted in which key data can be used to protect the style

sheets. In an analogous art, Zintel disclosed a system that uses an XML-based template

language to describe device characteristics of devices connected via universal plug and play.

6>   Concerning claims 1, 5, 6, and 14, Kimoto did not explicitly state sending the device

format preference upon connection to the network. However, automatically sending control

information upon a device's connection to a network was well known in the art as evidenced

by Zintel whose UPnP devices send format information to other devices in the network

upon connection to the network [Zintel, column 50, lines 23-24 and column 50, line 64 to

column 51, line 9].

        Concerning claims 1, 5, 6, 14, and 20, Kimoto does disclose that a user can request that

data be presented based on a particular style sheet but does not expressly disclose selecting

specific data from a document compatible with the needs and capabilities of the device.

However, Zintel discloses that selecting a particular style sheet is a proxy action for selecting

specific types of information [column 49 «lines 30-36» where: different style sheets may

extract and show only file selections, file sizes or image files]. The data format is compatible

with the capabilities of the device [see Zintel, abstract : discovery of the device's capabilities |

column 51 «lines 1-9» : xsl files used for "optimal presentation"]. The disclosure that the style sheets are for "optimal presentation" on a device clearly implies that the presentation is specifically tailored to the requesting device's capabilities.

It would have been obvious to one of ordinary skill in the art at the time of the applicant's invention to modify the system of Kimoto by adding the ability to send the device format preference upon connection to the network and selection of specific data from a document as provided by Zintel. Here the combination satisfies the need for a device connectivity model without persistent device configuration and for the ability to present different view of the same data depending on the capabilities of the device [Zintel, column 2, lines 57-61 and column 50 «line 64» to column 51 «line 9»]. This rationale also applies to those dependent claims utilizing the same combination.

Kimoto also fails to expressly disclose "saving the device format preference with a network address of the device to be used as a device identifier by the data repository." However, Zintel provides a teaching that remedies this deficiency. Zintel discloses a description document which corresponds to the device format reference and a device identifier which corresponds to the network address of the device [column 3 «lines 5-10» | column 8 «lines 32-37»]. In order to address the device, Zintel discloses saving the document along with the device identifier [column 19 «lines 30-45»]. It would have been obvious to one of ordinary skill in the art to have further adapted Kimoto's system to include Zintel's teachings of storing the format preference with the network locator of the device. Zintel teaches that such a function allows for easier retrieval of the device's description and information.

7>   Thereby, the combination of Kimoto and Zintel discloses:

- <Claim 1>

    A method for utilizing a data format preference of a device, comprising:

    connecting a device to a network having a data repository (Kimoto, figure 1; column 6, lines 40-48; and column 11, line 64 through column 12, line 5);

    sending a device format preference to said data repository in response to said connecting at a time the device is initially connected to the network (Kimoto, column 15, lines 21-34 and column 16, lines 7-9, and Zintel, column 50, lines 23-34 and column 50, line 64 through column 51, line 9), the device format preference specifying specific data of a document including format information for needed data (Kimoto, column 16, lines 7-28), the specific data including a specified portion of the document, wherein the specified portion is the document in full when only a name of the document is included [see Response to Arguments above | Figure 5 : see broadcast contents which specify that "Only Document Body" is transmitted to the TV. The document body reads on Applicant's claimed "document in full" | column 11 «lines 54-56» | column 14 «lines 1-6 and 29-33»];

    saving the device format preference with a network address of the device to be used as a device identifier by the data repository [Zintel, column 3 «lines 5-10» | column 8 «lines 32-37» | column 19 «lines 30-45»].

    utilizing, at the network, the device format preference to select specific data from a document, compatible with the needs and capabilities of the device, from the data repository in preparing data for transmission to said device (Kimoto, Figure 9 :

sending the style sheet request | column 16, lines 29-41 and Zintel, column 51 «lines 1-9» : xsl files used for extracting different types of data such as text or images for "optimal presentation"); and

sending the prepared data to said device in the preferred data format (Kimoto, column 16, lines 42-63);

- «Claim 2»

    The method of claim 1, further comprising saving the device format preference in the data repository [Kimoto, column 16, lines 23-28].

- «Claim 3»

    The method of claim 1, further comprising the device format preference is sent with a device identifier (Kimoto, column 16, lines 10-14).

- <Claim 5>

    A method for utilizing a data format preference of a device, comprising:

    connecting a device to a network having a data repository (Kimoto, figure 1; column 6, lines 40-48; and column 11, line 64 through column 12, line 5);

    sending a device format preference to said data repository when the device is connected to the network, the device format preference specifying specific data of a document including format information for needed data (Kimoto, column 16, lines 7-28), the specific data including a specified portion of the document, wherein the specified portion is the document in full when only a name of the document is included [see Response to Arguments above | Figure 5 : see broadcast contents which specify that "Only Document Body" is transmitted to the TV. The document body

reads on Applicant's claimed "document in full" | column 11 «lines 54-56» | column 14 «lines 1-6 and 29-33»];

utilizing, at the network, the device format preference to select specific data from a document, compatible with the needs and capabilities of the device from the data repository in preparing data for transmission to said device (Kimoto, Figure 9 : sending the style sheet request | column 16, lines 29-41 and Zintel, column 51 «lines 1-9» : xsl files used for extracting different types of data such as text or images for "optimal presentation"); and

sending the prepared needed data to said device (Kimoto, column 16, lines 42-63), wherein the device connected to the network sends the device format preference each time it is connected to the network (Zintel, column 50, lines 23-34 and column 50, line 64 through column 51, line 9);

- «Claim 6»

  The method of claim 1, wherein the network is an automatic configuration network, so that any device connected thereto sends the device format preference upon initial connection to the network [Zintel, column 50, lines 23-24 and column 50, line 64 to column 51, line 9].

- «Claim 7»

  The method of claim 1, further comprising:

  sending a request for specific information by the device (Kimoto, column 16, lines 7-17);

extracting, by the data repository from data storage, specific information (Kimoto, column 16, lines 35-41);

retrieving the device format preference by the data repository using a device identifier (Kimoto, column 16, lines 23-34);

formatting the specific information according to the device format preference (Kimoto, column 16, lines 42-47); and

sending the specific information over the network to the device from the data repository (Kimoto, column 16, lines 48-63).

- «Claim 8»

  The method according to claim 7, wherein the device is an electronic device, and the request for the specific information and device format preference are embodied as one or more data packets (Kimoto, figure 5, item 18/68 and column 15, lines 21-34)

- «Claim 9»

  The method according to claim 7, wherein the data repository is an extensible Markup Language (XML) data repository (Kimoto, column 16, lines 7-31).

- «Claim 10»

  The method according to claim 7 wherein the data repository includes an extensible Markup Language (XML) database in communication with an Extensible Stylesheet Language Transformation (XSLT) engine in communication with the network (Kimoto, column 16, lines 7-31).

- «Claim 11»

  The method according to claim 7, wherein the request for information is in an Extensible Stylesheet Language (XSL) stylesheet (Kimoto, column 16, lines 7-31).

- «Claim 12»

  The method according to claim 7, wherein the network is an In-Home Digital Network (IHDN) (Kimoto, figure 1).

- «Claim 13»

  The method according to claim 7, wherein the device is any one of the group consisting of:

  a personal computer, personal digital assistant, television, video cassette recorder, personal video recorder, remote control, and audio system; and the specific information requested is electronic program guide information (Kimoto, figure 5, item 18/68 and column 16, lines 60-63).

- <Claim 14>

  A method for recognizing a preferred format of a device comprising:

  connecting the device to an In-Home Digital Network (IHDN) that has an extensible Markup Language (XML) data repository (Kimoto, figure 1; column 6, lines 40-48; and column 11, line 64 through column 12, line 5);

  sending, in response to said connecting at a time the device is initially connected to the network or, by the device connected to the network the device format preference each time said device is connected to the network (Kimoto, column 15, lines 21-34 and column 16, lines 7-9, and Zintel, column 50, lines 23-34 and column

50, line 64 through column 51, line 9), an Extensible Style sheet Language (XSL) style sheet request for excerpted electronic programming guide (EPG) information, including a device format preference from the device specifying specific data of a document, over the IHDN to an Extensible Style sheet Language Transformation (XSLT) engine in communication with the XML data repository (Kimoto, column 16, lines 7-31), the specific data including a specified portion of the document, wherein the specified portion is the document in full when only a name of the document is included [see Response to Arguments above | Figure 5 : see broadcast contents which specify that "Only Document Body" is transmitted to the TV. The document body reads on Applicant's claimed "document in full" | column 11 «lines 54-56» | column 14 «lines 1-6 and 29-33»];

utilizing, on the network, said device format preference to the select specific data from the document, compatible with the needs and capabilities of the device, from the XML data repository in preparing data for transmission to said device (Kimoto, Figure 9 : sending the style sheet request | column 16, lines 29-41 and Zintel, column 51 «lines 1-9» : xsl files used for extracting different types of data such as text or images for "optimal presentation"); and

transmitting data to said device in the preferred device format (Kimoto, column 16, lines 48-63).

- «Claim 15»

The method of claim 14, wherein the step of utilizing comprises the steps of: extracting the requested excerpted EPG information by the XSLT engine from the

XML data repository (Kimoto, column 16, lines 35-41); and formatting the excerpted

EPG information in accordance with said device format preference (Kimoto, column

16, lines 42-47).

- <Claim 20>

    A system for using a format preferred for a device, the system comprising:

    a network that includes a data repository (Kimoto, figure 1; column 6, lines 40-

48; and column 11, line 64 through column 12, line 5);

    said device, connected to the network and having a data format preference

(Kimoto, figure 5, item 18/68 and column 15, line 64 through column 16, line 2); and

    a data packet containing a request for specific information, said data packet

including said data format preference specifying specific data of a document to select

the specific data from the document, compatible with needs and capabilities of the

device, wherein said data packet is prepared by the device and transmitted over the

network to said data repository (Kimoto, Figure 9 : sending the style sheet request |

column 16, lines 29-41 | column 15, lines 21-34 | column 16, lines 7-9 and Zintel, column

51 «lines 1-9» : xsl files used for extracting different types of data such as text or

images for "optimal presentation"), the specific data including a specified portion of

the document, wherein the specified portion is the document in full when only a

name of the document is included [see Response to Arguments above | Figure 5 : see

broadcast contents which specify that "Only Document Body" is transmitted to the

TV. The document body reads on Applicant's claimed "document in full" | column 11

«lines 54-56» | column 14 «lines 1-6 and 29-33»];

said network being configured for using said data format preference in preparing the specific information for transmission to said device, said data format preference stored by said data repository (column 16, lines 29-41), wherein the specific information requested is electronic programming guide information (column 16, lines 60-63).

- «Claim 17»

    The system of claim 20, wherein the data repository extracts the specific information of the request, formats the specific information in accordance with said data format preference, and transmits the specific information over the communication network to the device (Kimoto, column 16, lines 42-63).

- «Claim 18»

    The system according to claim 20, wherein the data repository is an extensible Markup Language (XML) data repository, which includes an XML database in connection with an Extensible Stylesheet Language Transformation (XSLT) engine, and the request for specific information and the device format preference are in an Extensible Stylesheet Language (XSL) stylesheet (column 16, lines 7-31).

- «Claim 19»

    The system according to claim 20, wherein the network is an In-Home Digital Network (IHDN) (Kimoto, figure 1).

    Since all the limitations of the invention as set forth in claims 17-20 were disclosed by Kimoto and Zintel, claims 1-3, 5-15 and 17-20 are rejected.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL.** See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DOHM CHANKONG whose telephone number is (571)272-3942. The examiner can normally be reached on Monday-Friday [8:30 AM to 4:30 PM].

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on 571.272.3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2152

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/D. C./
Examiner, Art Unit 2152

/Bunjob Jaroenchonwanit/
Supervisory Patent Examiner, Art Unit 2152